

# PATENT SPECIFICATION



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## COMPLETE SPECIFICATION

### Improvements in or relating to Stoppers for the Fuel Tanks of Pocket Lighters

I, BEDRI HUSSEIN GOSTKOWSKI, a citizen of Turkey, residing at No. 46, boulevard du Pont d'Arve, Geneva, Switzerland, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

The subject of the present invention is a stopper for the tank of a pocket lighter and, in particular, a stopper of the kind in which flints may be placed for use as refills.

The stopper according to the present invention has a plurality of cylindrical holes destined to hold lighter flints and having their axes parallel to the axis of the stopper and equidistant from the latter, an impeding or obstructing member being provided for retaining the flints and being oscillatable in a plane perpendicular to the aforementioned axes, and said member being so formed and arranged that it is possible to manipulate it into a position permitting extraction of a single flint.

The annexed drawing shows an embodiment of a stopper according to the invention and designed to contain three flints, this number being chosen simply by way of example. In the drawing:—

Figure 1 is a plan view of the stopper at the end thereof having the holes into which the flints are adapted to be inserted, and

Figure 2 is a corresponding side view of the stopper.

The stopper shown is composed of a cylindrical body 1 having a screw threaded portion 2 and being pierced by cylindrical holes serving as housings in which are lodged the three flints 3, 4, 5.

The axes of these holes are parallel to the axes of the stopper, and are regularly disposed around and all equidistant from this latter axis.

On the surface of the stopper visible in Figure 1, that is to say co-operating with the open ends of the housings of the flints, is disposed a flint obstructing or impeding member comprising an open metal ring 6, the latter being located in a plane perpendicular to the axis of the

stopper and capable of rotating round an arm 7 bent in a direction perpendicular to the said plane and introduced into corresponding hole in the stopper, this hole therefore being parallel to the axis of the stopper.

In the position of the ring shown in full line in Figure 1, it is apparent that it passes over the free end of each of the three flints 3, 4, 5 which it thus prevents from falling out of their respective housings.

By bringing the ring for example to the position indicated in dotted lines at 6', it will be clear that it is possible, by inverting the stopper, to cause flint 5 to drop out through the centre of the ring, whilst flints 3 and 4 continue to be retained.

By bringing the ring 6 into a position symmetrical to the position 6' and on the other side of the original position of this ring, it will similarly be possible to release the flint 4, whilst keeping in the remaining flint 3.

Finally by bringing the ring to a position beyond one of the flint-releasing positions described above, it will be possible to free the flint 3 and to extract it in its turn externally of the wing.

It is obvious that it would be possible to apply this arrangement to a stopper with a larger or smaller number of flints than three.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A stopper for the tank of a pocket lighter, characterized by the fact that it has a plurality of cylindrical holes destined to hold lighter flints and having their axes parallel to the axis of the stopper and equidistant from the latter, an impeding or obstructing member being provided for retaining the flints and being oscillatable in a plane perpendicular to the aforementioned axes, and said member being so formed and arranged that it is possible to manipulate it into a position permitting extraction of a single flint.

2. A stopper according to claim 1, characterized by the fact that the impeding or obstructing member is a ring

[Price 1/-]

capable of occupying a position in which it prevents the exit of all the flints contained in the stopper, and other positions in which it allows the extraction of these  
5 flints.

3. A stopper according to claim 1 or 2, adapted to contain three flints and characterized by a wire curved into a ring with an arm perpendicular to the plane of this  
10 ring, said arm penetrating into the stopper in a direction parallel to the axis of this latter and serving as a pivot for the said ring, and the latter being adapted to occupy two positions, in each of which  
15 a flint may be extracted through the centre of the ring, and another position

in which the third flint may be extracted externally of the ring.

4. A stopper for the tank of a pocket lighter substantially as hereinbefore  
20 described with reference to the accompanying drawings.

Dated the 26th day of January, 1944.

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Fig. 1.

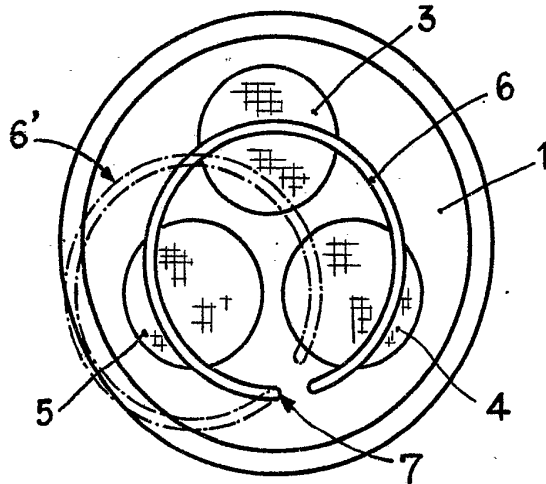
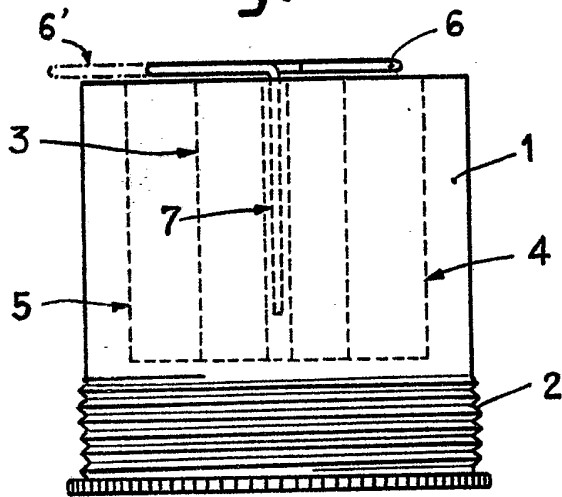


Fig. 2.



*[This Drawing is a full-size reproduction of the Original.]*